

**U.S. ENVIRONMENTAL PROTECTION AGENCY
FINAL POLLUTION REPORT**

DATE: October 29, 2003

SUBJECT: Carnesville Ferric Chloride Release

FROM: Carter Williamson, OSC
USEPA Region 4

TO: S. Hitchcock, EPA
D. Rigger, EPA
Region 4, RRC

I. BACKGROUND

SITE ID:	None
PROJECT CEILING:	None
LEAD AGENCY:	EPA, Region 4, ERRB 61 Forsyth Street, SW Atlanta, Georgia 30303
NPL:	No
FUNDING:	CERCLA
LEAD OSC:	Carter Williamson

II SITUATION

Date of Notification:	02 September 2003
Date Action Started:	02 September 2003
Pollutant:	Ferric Chloride
Quantity Discharged:	Approx 500 gallons
Source Identification:	Tanker Truck

III ACTIONS TAKEN

On September 02, 2003, the EPA Region 4 telephone duty person received National Response Center report #645738 pertaining to an incident involving a tanker truck leaking Ferric Chloride solution at a truck stop in Carnesville, Georgia. The tanker truck had acquired the ferric chloride from a Doraville distribution center and had briefly stopped at the Petro Truck Stop in Carnesville, Franklin County (FC). The driver stopped to eat at the restaurant and upon returning to the vehicle, noticed the tanker body had been compromised by the chemical stored in the tank. The tanker was constructed out of bare stainless steel, and the chemical should have been transported in a rubber-lined stainless steel tanker. Ferric Chloride, commonly used as a water treatment chemical, has a low pH and is corrosive to metal.

The operator of the rig attempted to capture the material in poly drums as it leaked from the tanker at approximately 10 gallons per minute. As the flow was too heavy, the driver proceeded to alert E-911 services in Franklin County. E-911 then dispatched the FC Sheriffs Office, the FC EMS Services, Double Churches Fire Department and notified the FC EMA Director and Deputy Director. The Georgia Emergency Management Agency (GEMA) also notified EPA through the NRC of the spill and OSC Carter Williamson was dispatched. Upon arrival at the scene and under the direction of GEMA, FC EMA and the EPA OSC, the responsible party (RP) through Ma-Tel Trucking Company began constructing an earthen containment berm around the tanker to capture the released material. The RP also sent a rubber lined tanker to the scene in preparation to transfer the material. The company safety officer was contacted and traveled to the scene to assist. JBR Environmental Services also responded under the direction of the RP and began recovery of product, contaminated soil and debris.

OSC Williamson and the remaining response teams (GEMA and FC EMA) departed the scene at 8:00 pm, after the remaining product in the tanker was off-loaded to an appropriate rubber-lined tanker. Approximately 1,500 gallons of the ferric chloride was released onto the ground (parking lot) at the Petro Truck Stop. Total recovery and clean-up of residual material and bermed soil material was complete the following day, September 3, 2003. The damaged tanker was transferred to a tanker repair facility for repair and/or disassembly.

IV FUTURE ACTIONS

None

V ESTIMATED COSTS

EPA	\$ 300.00
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